



Sarawak Sustainability Vision 2030

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PCDS 2030 is anchored upon six key economic sectors & seven key enablers, with *Renewable Energy* and *Utilities* as key enablers



Vision

By 2030, Sarawak envisions a prosperous society led by data and innovation, ensuring economic prosperity, social inclusivity, and environmental sustainability for all.

Energy-specific targets

- Maintain at least 60% renewable energy capacity mix by 2030
- 600k tonnes annual reduction of CO2 via electrification of mobility fleet
- Achieve >15% income from foreign markets outside of Sarawak



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Our energy transition strategies

Diversifying energy systems

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Becoming a renewable energy powerhouse in the region Catalysing through SCORE Infrastructure expansion Power export and partnerships

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Sustainable digital utility

Decarbonising our energy systems

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Diversifying our ENERGY SYSTEMS



Sarawak's energy transition journey to 10GW by 2030

- Predominantly renewable hydropower and recognised as part of Malaysia's renewable energy target since 2021
- Balanced by indigenous thermal to maintain diversity and security of supply





Our renewable energy expansion has been based on the advancing renewable hydropower



- 108IVIW Installed Capacity
- Commissioned in 1985
- 2,400iviw installed Capaci
- Commissioned in 2011
- 944ivity installed Capaci
 Commissioned in 2014
- 1,285MW Installed Capacity Expected Commissioning Date: 2027



Our Hydropower developments guided by International Commission on Large Dams (ICOLD) standards and guidelines and IHA Sustainability Assessment Protocol (now formally embedded in project development process), built and operated safely and efficiently.



Increase our solar energy footprint: The Batang Ai Floating Solar Farm (50MW)

Batang Ai Floating Solar Farm (50MW)







Increasing our battery energy storage system 60MWh BESS in Sejingkat Kuching - *First Pilot Project*





Becoming a renewable energy powerhouse in the region

- Catalysing through SCORE
- Infrastructure expansion
- Power export and collaboration with other states



Creating supply and demand through the Sarawak Corridor of Renewable Energy



CORRIDOR OF RENEWABLE ENERGY







Expansion of grid infrastructure: Proposed interconnection in Borneo as part of the ASEAN Power Grid





The Mentarang Induk HEP Project will partner with Indonesia to develop 1,375 MW hydroelectric in North Kalimantan





Exploring the Sarawak-Singapore potential interconnection to export power to Singapore

Interconnection feasibility study is ongoing to determine the optimal technical scope and assess the potential risks and benefits.





Sustainable digital utility



Rapidly transforming our utility system through digitalisation





Decarbonising our energy systems



Energy is one of the highest contributor of Sarawak's GHG emissions, creating opportunities for emission reductions

The Focus: Sarawak's GHG emission





Sarawak Energy Berhad plays a critical role to decarbonise our grid system, ensuring that interim target is SBTi-aligned





Supporting policies and regulations to demonstrate our commitment to decarbonise our energy systems and harness the green growth opportunity

Sarawak's Green Economy Policy sets out the vision to achieve 3 policy objectives, supported by 6 strategic pillars and 6 enablers

The Environment (Reduction of GHG Emissions) Ordinance 2023 that first prioritise the energy sector



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- Introduced carbon levy for the energy sector, particularly the oil and gas companies
 High integrity carbon credit mechanism for offse
- ✓ High-integrity carbon credit mechanism for offsets



Sarawak is progressing into implementation in alignment with the policies, designing implementation mechanisms to operationalise the GHG Ordinance





Integrated sustainable energy solutions



Sarawak creates more demand for renewable energy through an integrated system

Hydrogen energy development

- Built and commissioned Southeast Asia's first hydrogen production plant with production capacity of 130kg H2 per day and refueling station
- Hydrogen ART, buses and cars to create demand

Transportation

- Supporting the electrification of Kuching's transport sector
 - EV Roadmap: Expanding EV charging stations and electric buses
- Sustainable Aviation Fuel

Others: CCUS





Sarawak's Autonomous Rapid Transit (ART) Hydrogen Vehicle (H2V)





Thank you